



## TITLE V OPERATING PERMIT

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

<b>Title V Permit Number</b>	168-0040-TV
<b>Client/ Sequence /Town/Premises Numbers</b>	4470/001/168/110
<b>Date Issued</b>	May 20, 2006
<b>Expiration Date</b>	May 20, 2011

**Corporation:**

Supreme Lake Manufacturing, Inc.

**Premises location:**

455 Atwater Street, Plantsville, Connecticut 06479

**Name of Responsible Official and Title:**

David Cano, Executive Vice President

All pages 1 through 31, inclusive, of this document are hereby incorporated by reference into this Title V Operating Permit.

GINA McCARTHY  
Gina McCarthy  
Commissioner

May 20, 2006  
Date

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## LIST OF ACRONYMS

<i>Acronym</i>	<i>Description</i>
acfm	Actual cubic feet per minute
ASC	Actual Stack Concentration
BACT	Best Available Control Technology
BAM	Bureau of Air Management
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CP/OP	Construction Permit/Operating Permit
CTG	Control Technology Guideline
DEP	Department of Environmental Protection
dscf	Dry standard cubic feet
dscm	Dry standard cubic meters
EMU	Emission Unit
ERC	Emission Reduction Credit
EPA	Environmental Protection Agency
FLER	Full load emission rate
GEMU	Grouped Emission Unit
gph	Gallons per hour
gpm	Gallons per minute
HAP	Hazardous Air Pollutant
HLV	Hazard Limiting Value
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MASC	Maximum Allowable Stack Concentration
MSDS	Material Safety Data Sheet
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen Oxides
NSR	New Source Review
PM	Particulate Matter
ppmv	Parts per million, volumetric basis
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
RCSA	Regulations of Connecticut State Agencies
RMP	Risk Management Plan
SIC	Source Identification Code
SIP	State Implementation Plan
TOC	Total Organic Carbon
tph	Tons per hour
tpy	Tons per year
TSP	Total Suspended Particulate
VOC	Volatile Organic Compound

## **Title V Operating Permit**

**All conditions in Sections III through VII of this permit are enforceable by both the Administrator and the Commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III through VII of this permit in accordance with the Clean Air Act (CAA), as amended.**

## **Section I: Premises Information/Description**

### **A. PREMISES INFORMATION**

Nature of Business: Manufacturer of Screw Machine Products  
Primary SIC: 3451  
Other SIC: none

Facility Mailing Address: Supreme Lake Manufacturing, Inc.  
455 Atwater Street  
Plantsville, Connecticut 06479

Telephone Number: (860)-628-9746

### **B. PREMISES DESCRIPTION**

Supreme Lake Manufacturing, Inc. produces screw machine products and ball valve components in a variety of metals. Facility operations consist primarily of screw machines and secondary milling equipment. Emission sources consist of two (2) vapor degreasers using methylene chloride (dichloromethane), welding, grinding, and buffing. The vapor degreasers are subject to 40 CFR Part 63, Subpart T – Halogenated Solvent Cleaner MACT.

The facility also houses five (5) small 250,000 Btu/hr natural gas fired space heaters. Propane and acetylene are also used in small quantities for tow motor and a welding operation, respectively. These insignificant sources are subject to the premise-wide general applicable requirements and were not assigned emission unit numbers.

Supreme Lake is subject to Title V because the potential emission rate of an individual HAP (methylene chloride) is greater than 10 TPY.

## Section II: Emission Units Information

### A. EMISSIONS UNITS IDENTIFICATION

Emission units are set forth in Table II.A.1.

TABLE II.A.1: EMISSION UNIT DESCRIPTION			
Emission Units	Emission Unit Description	Control Unit Description	Permit, Order, Registration Number, NSPS, NESHAPS, or MACT*
EU 1	Ultra Kool Batch Vapor Degreaser, Model # MSW-480 Serial # 60228, using Methylene Chloride	Working-Mode Cover; Freeboard Refrigeration Device; Freeboard Ratio of 1.0	40 CFR, Part 63 Subpart T
EU 2	Ultra Kool Batch Vapor Degreaser, Model # 108-24-33, using Methylene Chloride	Freeboard Refrigeration Device; Freeboard Ratio of 1.0; Superheated Vapor	CP/OP: 168-0047 40 CFR, Part 63 Subpart T

\* It is not intended to incorporate by reference these NSR Permits, Orders, Registrations, NSPS (New Source Performance Standards), NESHAPS (National Emission Standards for Hazardous Air Pollutants), or MACT (Maximum Available Control Technology) into this Title V permit.

### B. STANDARD OPERATING SCENARIO (SOS) AND ALTERNATIVE OPERATING SCENARIOS (AOS)

The Permittee shall be allowed to operate under the following scenarios without notifying the Commissioner, provided that such operations are explicitly provided for and described in the table below. The Permittee shall record contemporaneously with the operation of emission units, the operating scenario under which each emissions unit is operating in a log to be kept at the subject premises.

TABLE II.B.1: EMISSIONS UNIT IDENTIFICATION, SOS, AND AOS		
Identification of Operating Scenarios	Emissions Unit Associated with the Scenarios	Description of Scenarios
SOS-1	EU 1 & EU 2	Two batch vapor degreasers using methylene chloride as the cleaning solvent.

### Section III: Applicable Requirements and Compliance Demonstration

The following tables contain terms and conditions for the operation of each identified Emission Unit, and Operating Scenario regulated by this permit.

#### A. EMISSION UNIT 1 (EU 1)

Table III.A: EMISSION UNIT 1 (EU 1)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	Methylene Chloride Emission	As limited by 40 CFR Part 63, Subpart T	40 CFR Part 63, Subpart T	A.1

A.1. The Permittee shall demonstrate compliance with the methylene chloride emission limitations stated in Table III.A.

##### A.1.a. Equipment Design Standards

The Permittee shall ensure that EU 1 be designed and operated to conform with the following control equipment or technique requirements:

- i. An idling and downtime mode cover, that may be readily opened or closed easily without disturbing the vapor zone, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects. The cover shall be in place during the idling mode and the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover to not be in place. [40 CFR §63.463(a)(1)(i), 40 CFR §63.463(d)(1)(i)]
- ii. Freeboard ratio of 0.75 or greater. [40 CFR §63.463(a)(2)]
- iii. Automated parts handling system with a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts. [40 CFR §63.463(a)(3)]
- iv. Vapor level control device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils or if the vapor level rises above the height of the primary condenser. [40 CFR §63.463(a)(4), 40 CFR §63.463(a)(5)]
- v. Primary condenser. [40 CFR §63.463(a)(6)]
- vi. Control combination Option #3, Table 1: freeboard refrigeration device and working-mode cover. [40 CFR §63.463(b)(1)(i)]

##### A.1.b. Monitoring and Testing Requirements

The Permittee shall comply with the following requirements:

- i. Conduct monitoring of each control device (i.e., freeboard refrigeration device, freeboard ratio of 1.0, working-mode cover) used to comply with the “Equipment Design Specification Section”. [40 CFR §63.463(e)(1)]
- ii. During each monitoring period, the Permittee shall ensure that the chilled air blanket temperature (in °F or °C), of the freeboard refrigeration device, measured at the center of the air blanket, is no greater than 30 percent of the solvent’s boiling point. The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode. [40 CFR §63.463(e)(2)(i) & 40 CFR §63.466(a)(1)]

### Section III: Applicable Requirements and Compliance Demonstration

- iii. If the temperature requirement in Part ii. of this section is exceeded and is not corrected within 15 days of detection, adjustments or repairs shall be made to the vapor degreaser or to the freeboard refrigeration device to reestablish required levels. The temperature must be remeasured immediately upon adjustment or repair and demonstrated to be within the limit required by this permit. [40 CFR §63.463(e)(2)(ii)]
- iv. The Permittee shall ensure compliance with the following requirements when using a working-mode cover:
  - (1) Ensure that the cover opens only for part entrance and removal and completely covers the vapor degreaser openings when closed. [40 CFR §63.463(e)(2)(iii)(A) & 40 CFR §63.466(b)(1)]
  - (2) Ensure that the working-mode cover is maintained free of cracks, holes, and other defects. [40 CFR §63.463(e)(2)(iii)(B) & 40 CFR §63.466(b)(1)]
  - (3) The Permittee shall conduct a visual inspection to determine if the cover is opening and closing properly. [40 CFR §63.466(b)(1)]
- v. The Permittee shall ensure compliance with the following requirements when using an idling-mode cover:
  - (1) Ensure that the cover is in place whenever parts are not in the solvent cleaning machine and completely covers the vapor degreaser when in place. [40 CFR §63.463(e)(2)(iv)(A)]
  - (2) Ensure that the idling-mode cover is maintained free of cracks, holes, and other defects. [40 CFR §63.463(e)(2)(iv)(B)]
- vi. If the Permittee does not comply with the requirements of Parts i. – v. and has not corrected them within 15 days of detection, an exceedance has occurred. Adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits. [40 CFR §63.463(e)(3)(i)-(ii)]
- vii. The Permittee shall determine their potential to emit from all solvent cleaning operations on the premises. The premises' total potential to emit for each individual cleaning operations, plus all HAP emissions from other sources within the premises.
  - (1) Determine the potential to emit for each individual solvent cleaning machine using the following equation:
$$PTE_i = H_i \times W_i \times SAI_i$$
Where,  $PTE_i$  = the potential to emit for solvent cleaning machine i (kilograms of solvent per year)  
 $H_i$  = hours of operation for solvent cleaning machine i (hours per year)  
 $W_i$  = the working mode uncontrolled emission rate (kilograms per square meter per hour)  
 $SAI_i$  = solvent/air interface area of solvent cleaning machine i (square meters)  
(Solvent/air interface area is the surface area of the vapor zone that is exposed to the air) [40 CFR §63.465(e)(1)]
  - (2) Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the following equation:
$$SAI = 2.20 \times (Vol)^{0.6}$$
where,  $SAI$  = the solvent/air interface area (square meters)  
 $Vol$  = the cleaning capacity of the solvent cleaning machine (cubic meters). [40 CFR §63.465(e)(2)]
  - (3) Sum the  $PTE_i$  for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the premises. [40 CFR §63.465(e)(3)]

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- viii. The Permittee shall monitor the hoist speed as described below:
  - (1) The Permittee shall determine the hoist speed by measuring the time it takes for the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute). [40 CFR §63.466(c)(1)]
  - (2) The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the Permittee may begin monitoring the hoist speed quarterly. [40 CFR §63.466(c)(2)]
  - (3) If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated. [40 CFR §63.466(c)(3)]
  - (4) If the Permittee can demonstrate to the Administrator's or Commissioner's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including the first year of compliance. [40 CFR §63.466(c)(4)]
- ix. The Permittee using control devices listed in Parts i – viii of this section can use alternative monitoring procedures approved by the Administrator or the Commissioner. [40 CFR §63.466(g)].
- x. The Permittee shall comply with the General Provisions of Subpart T. [40 CFR Part 63 Subpart T Appendix B].

#### A.1.c. Record Keeping Requirements

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Owner's manuals, or if not available, written maintenance and operating procedures, for the vapor degreaser and control equipment. [40 CFR §63.467(a)(1)]
- ii. The date of installation of the vapor degreaser and all of its control devices. If the exact date for installation is not known, a letter certifying that the vapor degreaser and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted. [40 CFR §63.467(a)(1)]
- iii. Records for the halogenated HAP solvent content for each solvent used in the vapor degreaser. [40 CFR §63.467(a)(5)]
- iv. The results of the control device monitoring specified in the "Monitoring Requirements" section. [40 CFR §63.467(b)(1)]
- v. Information on the actions taken to comply with the requirements specified in the "Monitoring Requirements" section. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters stated in the "Monitoring Requirements" section have returned to accepted levels. [40 CFR §63.467(b)(2)]
- vi. Estimates of annual solvent consumption for the vapor degreaser. [40 CFR §63.467(b)(3)]

#### A.1.d. Reporting Requirements

- i. The Permittee of the vapor degreaser shall submit to the Administrator and Commissioner an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the requirements specified

### Section III: Applicable Requirements and Compliance Demonstration

below:

- (1) A signed statement from the Permittee or his/her designee stating that, “All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in §63.463(d)(10).” [40 CFR §63.468(f)(1)]
- (2) An estimate of solvent consumption for each solvent cleaning machine during the reporting period. [40 CFR §63.468(f)(2)]
- ii. The Permittee of the vapor degreaser shall submit an exceedance report to the Administrator or Commissioner determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the Permittee shall follow a quarterly reporting format until a request to reduce reporting frequency under this section is approved. Exceedance reports shall be delivered or postmarked by the 30<sup>th</sup> day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information below:
  - (1) Information on the actions taken to comply with “Monitoring and Testing Requirements” section. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels. [40 CFR §63.468(h)(1)]
  - (2) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken. [40 CFR §63.468(h)(2)]
  - (3) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report. [40 CFR §63.468(h)(3)]
- iii. A Permittee who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semiannual if the following conditions are met:
  - (1) The source has demonstrated a full year of compliance without an exceedance. [40 CFR §63.468(i)(1)]
  - (2) The Permittee continues to comply with all relevant record keeping and monitoring requirements specified in Subpart A of the General Provisions and 40 CFR Part 63 Subpart T. [40 CFR §63.468(i)(2)]
  - (3) The Administrator and Commissioner do not object to a reduced frequency of reporting for this vapor degreaser as provided in paragraph (e)(3)(iii) of Subpart A of the General Provisions. [40 CFR §63.468(i)(3)]

#### A.1.e. Work Practice Standards

The Permittee of the vapor degreaser shall meet all of the following work and operational practices specified below:

- i. Control air disturbances across the degreaser by complying with one of the following two options:
  - (1) Incorporating a cover during the idling mode and during the downtime mode unless either the solvent has been removed from the degreaser or maintenance or monitoring is being performed that requires the cover to be in place. [40 CFR §63.463(d)(1)(i)]
  - (2) A reduced room draft. [40 CFR §63.463(d)(1)(ii)]
- ii. The parts basket or the parts being cleaned in the degreaser shall not occupy more than 50 percent of the solvent/air interface area unless the parts basket or parts are

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- introduced at a speed of 0.9 meters per minute (3 feet per minute) or less. [40 CFR §63.463(d)(2)]
- iii. Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine.) [40 CFR §63.463(d)(3)]
  - iv. Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from the degreaser unless an equally effective approach has been approved by the Administrator. [40 CFR §63.463(d)(4)]
  - v. Minimize solvent carryout by complying with the following options:
    - (1) Parts baskets or parts shall not be removed from the degreaser until the dripping has stopped. [40 CFR §63.463(d)(5)]
  - vi. During startup of the degreaser, the primary condenser shall be turned on before the sump heater. [40 CFR §63.463(d)(6)]
  - vii. During shutdown of the degreaser, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off. [40 CFR §63.463(d)(7)]
  - viii. When solvent is added or drained from the degreaser, the solvent shall be transferred using threaded or other leak-proof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface. [40 CFR §63.463(d)(8)]
  - ix. The vapor degreaser and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the Administrator's satisfaction to achieve the same or better results as those recommended by the manufacturer. [40 CFR §63.463(d)(9)]
  - x. The Permittee of the degreaser shall complete and pass the applicable sections of the test of solvent cleaning operating procedures in Appendix B of 40 CFR Subpart T if requested during an inspection by the Administrator. [40 CFR §63.463(d)(10)]
  - xi. Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers and not transfer it to another party. The closed containers may contain a device that would allow pressure relief, such that greater than twenty (20) percent of the waste degreasing solvent (by weight) can evaporate into the atmosphere, but would not allow liquid solvent to drain from the container. [40 CFR §63.463(d)(11)]
  - xii. Sponges, fabric, wood, paper products, or other porous or absorbent materials shall not be cleaned. [40 CFR §63.463(d)(12)]

#### B. EMISSION UNIT 2 (EU 2)

Table III.B: EMISSION UNIT 2 (EU 2)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	Net Solvent Consumption	≤ 29,000 lb/yr Methylene Chloride	P-168-0047, Part I	B.1
SOS-1	Methylene Chloride Emission	≤ 15.2 lb/hr (8-hour average) ≤ 14.95 TPY	P-168-0047 & 40 CFR Part 63, Subpart T	B.2

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B.1. The permittee shall comply with the methylene chloride usage limitations stated in Table III.B.

B.1.a. Monitoring and Testing Requirements

Maximum solvent consumption shall be based on any consecutive twelve month time period. The Permittee shall determine the annual solvent consumption by adding each month's solvent consumption to that of the previous eleven months. Minimum solvent manifested (%) shall be determined by dividing the monthly solvent manifested by the monthly solvent consumed. The Permittee shall make these calculations on a monthly basis. [CP/OP: 168-0047, Part IV]

B.1.b. Record Keeping Requirements

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Monthly and annual solvent consumption.

B.1.c. Reporting Requirements

- i. Provide written monitoring reports to the Commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.F. of this permit.
- ii. Provide the records specified in Section III.B.1.b. to the Commissioner within thirty days of receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [RCSA §22a-174-4(c)(1)]

B.2. The Permittee shall comply with the methylene chloride emission limitations stated in Table III.B. [P-168-0047]:

B.2.a. Equipment Design Standards

The Permittee of EU 2 shall ensure that the vapor degreaser be designed and operated to conform with the following control equipment or technique requirements:

- i. An idling and downtime mode cover, that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects. The cover shall be in place during the idling mode and the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover to not be in place.
- ii. Freeboard ratio of 0.75 or greater.
- iii. Automated parts handling system with a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.
- iv. Vapor level control device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils or if the vapor level rises above the height of the primary condenser.
- v. Primary condenser.
- vi. Control combination Option #1, Table 2: freeboard refrigeration device, freeboard ratio of 1.0, and superheated vapor.

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#### B.2.b. Monitoring and Testing Requirements

The Permittee of EU 2 shall comply with the following requirements:

- i. Conduct monitoring of each control device (i.e., freeboard refrigeration device, freeboard ratio of 1.0, and superheated vapor) used to comply with the “Equipment Design Specification Section”. [40 CFR §63.463(e)(1)]
- ii. During each monitoring period, the Permittee shall ensure that the chilled air blanket temperature (in °F or °C), of the freeboard refrigeration device, measured at the center of the air blanket, is no greater than 30 percent of the solvent’s boiling point. The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode. [40 CFR §63.463(e)(2)(i) & 40 CFR §63.466(a)(1)]
- iii. If the temperature requirement in Part ii. of this section is exceeded and is not corrected within 15 days of detection, adjustments or repairs shall be made to the vapor degreaser or to the freeboard refrigeration device to reestablish required levels. The temperature must be remeasured immediately upon adjustment or repair and demonstrated to be within the limit required by this permit. [40 CFR §63.463(e)(2)(ii)]
- iv. The Permittee shall ensure compliance with the following requirements when using a superheated vapor system.
  - (1) Ensure that the temperature of the solvent vapor at the center of the superheated vapor zone is at least 10°F above the solvent’s boiling point. [40 CFR §63.463(e)(2)(vi)(A)]
  - (2) Ensure that the manufacturer’s specifications for determining the minimum proper dwell time within the superheated vapor system is followed. [40 CFR §63.463(e)(2)(vi)(B)]
  - (3) Ensure that parts remain within the superheated vapor for at least the minimum proper dwell time. [40 CFR §63.463(e)(2)(vi)(C)]
  - (4) The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the superheated vapor zone while the vapor degreaser is in the idling mode. [40 CFR §63.466(a)(2)]
- v. If the Permittee does not comply with the requirements of Parts i. – iv. and not corrected within 15 days of detection, an exceedance has occurred. Adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits. [40 CFR §63.463(e)(3)(i)-(ii)]
- vi. The Permittee shall determine their potential to emit from all solvent cleaning operations on the premises. The premises’ total potential to emit for each individual cleaning operations, plus all HAP emissions from other sources within the premises.
  - (1) Determine the potential to emit for each individual solvent cleaning machine using the following equation:
$$PTE_i = H_i \times W_i \times SAI_i$$
Where,  $PTE_i$  = the potential to emit for solvent cleaning machine i (kilograms of solvent per year)  
 $H_i$  = hours of operation for solvent cleaning machine i (hours per year)  
 $W_i$  = the working mode uncontrolled emission rate (kilograms per square meter per hour)  
 $SAI_i$  = solvent/air interface area of solvent cleaning machine i (square meters)  
(Solvent/air interface area is the surface area of the vapor zone that is exposed to the air) [40 CFR §63.465(e)(1)]

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- (2) Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the following equation:  
$$SAI = 2.20 \times (Vol)^{0.6}$$
where, SAI = the solvent/air interface area (square meters)  
Vol = the cleaning capacity of the solvent cleaning machine (cubic meters).  
[40 CFR §63.465(e)(2)]
  - (3) Sum the  $PTE_i$  for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the premises. [40 CFR §63.465(e)(3)]
- vii. The Permittee shall monitor the hoist speed as described below:
  - (1) The Permittee shall determine the hoist speed by measuring the time it takes for the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute). [40 CFR §63.466(c)(1)]
  - (2) The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the Permittee may begin monitoring the hoist speed quarterly. [40 CFR §63.466(c)(2)]
  - (3) If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated. [40 CFR §63.466(c)(3)]
  - (4) If the Permittee can demonstrate to the Administrator's or Commissioner's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including the first year of compliance. [40 CFR §63.466(c)(4)]
- viii. The Permittee using control devices listed in Parts i – vii of this section can use alternative monitoring procedures approved by the Administrator or the Commissioner.
- ix. The Permittee shall comply with the General Provisions of Subpart T. [40 CFR Part 63 Subpart T Appendix B].

#### B.2.c. Record Keeping Requirements

In accordance with Section VII. F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Owner's manuals, or if not available, written maintenance and operating procedures, for the vapor degreaser and control equipment. [40 CFR §63.467(a)(1)]
- ii. The date of installation of the vapor degreaser and all of its control devices. If the exact date for installation is not known, a letter certifying that the vapor degreaser and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted. [40 CFR §63.467(a)(1)]
- iii. Records for the halogenated HAP solvent content for each solvent used in the vapor degreaser. [40 CFR §63.467(a)(5)]
- iv. The results of the control device monitoring specified in the "Monitoring Requirements" section. [40 CFR §63.467(b)(1)]
- v. Information on the actions taken to comply with the requirements specified in the "Monitoring Requirements" section. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters stated in the "Monitoring Requirements" section have returned to accepted levels. [40 CFR §63.467(b)(2)]

### Section III: Applicable Requirements and Compliance Demonstration

- vi. Estimates of annual solvent consumption for the vapor degreaser. [40 CFR §63.467(b)(3)]

#### B.2.d. Reporting Requirements

- i. The Permittee of the vapor degreaser shall submit to the Administrator and Commissioner an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the requirements specified below:
  - (1) A signed statement from the Permittee or his/her designee stating that, “All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in §63.463(d)(10).” [40 CFR §63.468(f)(1)]
  - (2) An estimate of solvent consumption for each solvent cleaning machine during the reporting period. [40 CFR §63.468(f)(2)]
- ii. The Permittee of the vapor degreaser shall submit an exceedance to the Administrator or Commissioner determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the Permittee shall follow a quarterly reporting format until a request to reduce reporting frequency under this section is approved. Exceedance reports shall be delivered or postmarked by the 30<sup>th</sup> day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information below:
  - (1) Information on the actions taken to comply with “Monitoring and Testing Requirements” section. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels. [40 CFR §63.468(h)(1)]
  - (2) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken. [40 CFR §63.468(h)(2)]
  - (3) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report. [40 CFR §63.468(h)(3)]
- iii. A Permittee who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semiannual if the following conditions are met:
  - (1) The source has demonstrated a full year of compliance without an exceedance. [40 CFR §63.468(i)(1)]
  - (2) The Permittee continues to comply with all relevant record keeping and monitoring requirements specified in Subpart A of the General Provisions and 40 CFR Part 63 Subpart T. [40 CFR §63.468(i)(2)]
  - (3) The Administrator and Commissioner do not object to a reduced frequency of reporting for this vapor degreaser as provided in paragraph (e)(3)(iii) of Subpart A of the General Provisions. [40 CFR §63.468(i)(3)]

#### B.2.e. Work Practice Standards

The Permittee of the vapor degreaser shall meet all of the following work and operational practices specified below:

- i. Control air disturbances across the degreaser by:

### Section III: Applicable Requirements and Compliance Demonstration

- (1) Incorporating a cover during the idling mode and during the downtime mode unless either the solvent has been removed from the degreaser or maintenance or monitoring is being performed that requires the cover to be in place. [40 CFR §63.463(d)(1)(i)]
  - (2) A reduced room draft. [40 CFR §63.463(d)(1)(ii)]
- ii. The parts basket or the parts being cleaned in the degreaser shall not occupy more than 50 percent of the solvent/air interface area unless the parts basket or parts are introduced at a speed of 0.9 meters per minute (3 feet per minute) or less. [40 CFR §63.463(d)(2)]
- iii. Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine.) [40 CFR §63.463(d)(3)]
- iv. Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from the degreaser unless an equally effective approach has been approved by the Administrator. [40 CFR §63.463(d)(4)]
- v. Parts baskets or parts shall not be removed from the degreaser until the dripping has stopped. [40 CFR §63.463(d)(5)]
- vi. During startup of the degreaser, the primary condenser shall be turned on before the sump heater. [40 CFR §63.463(d)(6)]
- vii. During shutdown of the degreaser, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off. [40 CFR §63.463(d)(7)]
- vii. When solvent is added or drained from the degreaser, the solvent shall be transferred using threaded or other leak-proof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface. [40 CFR §63.463(d)(8)]
- viii. The vapor degreaser and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the Administrator's satisfaction to achieve the same or better results as those recommended by the manufacturer. [40 CFR §63.463(d)(9)]
- ix. The Permittee of the degreaser shall complete and pass the applicable sections of the test of solvent cleaning operating procedures in Appendix B of 40 CFR Subpart T if requested during an inspection by the Administrator. [40 CFR §63.463(d)(10)]
- x. Waste solvents, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief, but would not allow liquid solvent to drain from the container. [40 CFR §63.463(d)(11)]
- xi. Sponges, fabric, wood, and paper products shall not be cleaned. [40 CFR §63.463(d)(12)]

## Section III: Applicable Requirements and Compliance Demonstration

### C. PREMISE-WIDE GENERAL REQUIREMENTS

Table III.C: PREMISES-WIDE GENERAL REQUIREMENTS			
Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
<b>Opacity</b>	Less than or equal to 20% opacity during any six minute blow average measured by 40 CFR 60, Appendix, Reference Method 9.  Less than or equal to 40% as measured by 40 CFR 60, Appendix, Reference Method 9, reduced to 1 minute block average.	RCSA §22a-174-18(b)(1)(A)  RCSA §22a-174-18(b)(1)(B) RCSA §22a-174-18(a)(1)(ii)	C.1
<b>Fuel Sulfur</b>	Less than or equal to 1% sulfur by weight (dry basis) in fuel  Less than or equal to 0.3% sulfur by weight (dry basis) in distillate fuel	RCSA §22a-174-19(a)(2)(i)  CGS §16a-21a	C.2
<b>HAP Emissions</b>	The Permittee shall ensure that the hazardous air pollutant emissions from each operation authorized complies with all applicable MASC limits under RCSA §22a-174-29, Tables 29-1, 29-2 and 29-3. A coating, solvent, thinner, or other compound used in an authorized operation, either for production or on a trial basis, which will emit a hazardous air pollutant may be utilized only if the Permittee ensures that such emission complies with the applicable MASC.	RCSA §22a-174-29	C.3
<b>Air Quality Standards</b>	The Permittee shall not operate any source which significantly causes or contributes to a violation of an ambient air quality standard.	RCSA §22a-174-24(b)	
<b>Air Pollution Emergency Episode</b>	The Permittee shall comply with RCSA §22a-174-6(c) in case of an emergency episode.	RCSA §22a-174-6	
<b>Prohibition against Circumvention/ Circumvention</b>	The Permittee shall not install or cause the installation or use of any device or any means which, without resulting in reduction in the total amount of air pollutant emitted, conceals or dilutes and emission of air pollutant which would otherwise violate applicable regulations.	RCSA §22a-174-11(a)	
<b>Open Burning</b>	The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).	CGS §22a-174(f)	
<b>Severability</b>	Severability shall apply as specified in RCSA §22a-174-15	RCSA §22a-174-15	
<b>Air Pollution Control Equipment and Monitoring Equipment Operation</b>	The Permittee shall comply with the requirements of RCSA §22a-174-7 for air pollution control equipment and monitoring equipment operation.	RCSA §22a-174-7	
<b>Emission Fees</b>	The Permittee shall pay an emission fee in accordance with RCSA §22a-174-26(d)	RCSA §22a-174-26(d)	

### **Section III: Applicable Requirements and Compliance Demonstration**

C.1. The Permittee shall demonstrate compliance with the opacity limitations set forth in Table III. C.

C.1.a. Monitoring and Testing Requirements

Upon written request of the Commissioner, the Permittee shall verify opacity using Title 40 Code of Federal Regulations Part 60, Method 9.

C.1.b. Record Keeping Requirements

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [§22a-174-33(o)(2)]:

- i. Records of the dates, times, and places of all visible emission observations, persons performing the observations, test methods used, the operating conditions at the time of observation, and the results of such observation. [§22a-174-4(c)(1)]

C.1.c. Reporting Requirements

- i. Provide written monitoring reports to the Commissioner once every six months in accordance with Section VII.E.
- ii. Provide the records specified in Section III.C.1.b. to the Commissioner within thirty days of receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [§22a-174-4(c)(1)]

C.2. The Permittee shall demonstrate compliance with the fuel sulfur limitations set forth in Table III.B.

C.2.a. Monitoring and Testing Requirements

- i. Verify sulfur content using either a fuel certification for a delivery of fuel from a bulk petroleum provider or a copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of the fuel as a condition of each shipment. [RCSA §22a-174-19(a)(5)]
- ii. Analysis for the sulfur content of liquid fuels shall be done according to the most current American Society for Testing and Materials methods D 129 or D 1552. [RCSA §22a-174-5(b)(1)]

C.2.b. Record Keeping Requirements

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [§22a-174-33(o)(2)]:

- i. Fuel merchant certification from the fuel supplier certifying the type of fuel in the shipment and the weight percent of sulfur in the fuel for each fuel shipment. [§22a-174-19(a)(5)]
- ii. Shipping receipt from the fuel supplier. The shipping receipt and/or certification shall include the name of the oil supplier, the sulfur content of the oil and the method used to determine the sulfur content of the oil. [§22a-174-19(a)(5)]

### Section III: Applicable Requirements and Compliance Demonstration

#### C.2.c. Reporting Requirements

- i. Provide written monitoring reports to the Commissioner once every six months in accordance with Section VII.E.
- ii. Provide the records specified in Section III.C.2.b. to the Commissioner within thirty days of receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [§22a-174-4(c)(1)]

C.3. The permittee shall demonstrate compliance with the HAP emission limitations set forth in Table III.B.

#### C.3.a. Monitoring and Testing Requirements

The Permittee shall calculate the actual stack concentration (ASC) and the maximum allowable stack concentration (MASC) of each hazardous air pollutant (HAP) listed in Tables 29-1 of RCSA §22a-174-29 that is emitted by the emission units on the premises. The Permittee shall demonstrate, by comparing the results from such calculations, that the ASC of each HAP does not exceed the appropriate MASC. [RCSA §22a-174-33(j)(1)(K)(ii)]

The MASC shall be calculated using the following equation (for discharge points  $\leq 20$  meters):

$$\text{MASC} = \frac{0.885 * \text{HLV}(x + 1.08v^{0.64})^{1.56}}{v}$$

where

x = 10 meters or the distance from point to the nearest property line

v = the average actual flow rate (in cubic meters per second)

HLV= the applicable hazard limiting value found in Tables 29-1, 29-2, and 29-3.

The ASC shall be derived using the HAPs content as applied (lb HAP/gal), the maximum application rate (gal/hr) as a worst case, and any applicable controls. This gives the actual stack emissions in lb/hr which can be converted to a concentration in  $\mu\text{g}/\text{m}^3$  or ppmv.

#### C.3.b. Record Keeping Requirements

In accordance with Section VII.F. of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [§22a-174-33(o)(2)]:

- i. The Permittee shall make and keep records of the ASC and MASC calculations that demonstrate compliance for each HAP listed in RCSA §22a-174-29, Tables 29-1 emitted by the emission units at the premises in accordance with Section VII.F of this permit and shall submit such records to the Commissioner upon request.

## **Section III: Applicable Requirements and Compliance Demonstration**

### **C.3.c. Reporting Requirements**

- i. Provide written monitoring reports to the Commissioner once every six months in accordance with Section VII.E.
- ii. Provide the records specified in Section III.C.2.b. to the Commissioner within thirty days of receipt of a written request from the Commissioner or such sooner time as the Commissioner may require. [§22a-174-4(c)(1)]

### **D. 112(r) ACCIDENTAL RELEASE REQUIREMENTS**

Should this stationary source, as defined in 40 CFR section 68.3, become subject to the accidental release prevention regulations in 40 CFR Part 68, the Permittee shall submit a risk management plan (RMP) by the date specified in section 68.10 and shall certify compliance with the requirements of 40 CFR Part 68 as part of the annual compliance certification as required by 40 CFR Part 70 or 71.

### **E. ASBESTOS REQUIREMENTS**

Should this stationary source, as defined in 40 CFR section 61.145, become subject to the national emission standard for asbestos regulations in subpart M of 40 CFR Part 61 when conducting any renovation or demolition at this premises, then the owner or operator shall submit proper notification as described in 40 CFR section 61.145(b) and shall comply with all other applicable requirements of including but not limited to subpart M.

## Section IV: Compliance Schedule

**NOT APPLICABLE**

Table IV: COMPLIANCE SCHEDULE				
Emission Unit	Applicable Regulations	Steps required for achieving compliance (Milestones)	Date by which each step is to be completed	Dates for monitoring, record keeping, and reporting
N/A				

Only the Commissioner of the Department of Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

## **Section V: State Enforceable Terms and Conditions**

Only the Commissioner of the Department of Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

- A.** This permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Environmental Protection or any federal, local or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this permit shall affect the Commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the Commissioner.
- C.** Odors: The Permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor beyond the property boundary of the premises as set forth in RCSA Section 22a-174-23.
- D.** Noise: The Permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA Section 22a-69-1 through 22a-69-7.4, inclusive.
- E.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA Section 22a-174-29.
- F.** Open Burning: The Permittee is prohibited from conducting open burning, except as may be allowed by CGS Section 22a-174(f).
- G.** Fuel Sulfur Content: The Permittee shall not use #2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS Section 16a-21a.
- H.** Reporting of Emissions of Greenhouse Gases: In accordance with CGS Section 22a-200b(b), not later than April 15, 2006, and annually thereafter, the owner or operator of any facility that is required to report air emissions data to the Department of Environmental Protection pursuant to Title V of the Federal Clean Air Act and that has stationary emissions sources that emit greenhouse gases shall report to the registry direct stack emissions of greenhouse gases from such sources. The owner or operator shall report all greenhouse gas emissions in type and format that the regional registry can accommodate.

## Section VI: Permit Shield

### NO PERMIT SHIELD HAS BEEN GRANTED

Table VI: PERMIT SHIELD				
Regulated Pollutants	Emissions Units	Applicable Requirement or Non-Applicable Requirement Descriptions	Applicable Regulatory References/ Citations	*Permit Shield Indicate
N/A				

\*For “Permit Shield Indicate”, use AR to indicate Applicable Requirement and NR for Non- Applicable Requirement

## **Section VII: Title V Requirements**

The Administrator of the United States Environmental Protection Agency and the Commissioner of Environmental Protection have the authority to enforce the terms and conditions contained in these sections.

### **A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR**

The date of submission to the Commissioner of any document required by this permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

Any document required to be submitted to the Commissioner under this permit shall, unless otherwise specified in writing by the Commissioner, be directed to: Office of the Assistant Director; Compliance & Field Operations Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the U. S. Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; US EPA, Region 1; One Congress Street; Suite 1100 (SEA); Boston, MA 02114-2023.

### **B. CERTIFICATIONS [RCSA § 22a-174-33(b)]**

In accordance with Section 22a-174-33(b) of the RCSA, any report or other document required by this Title V permit and any other information submitted to the Commissioner or Administrator shall be signed by an individual described in Section 22a-174-2a(a) of the RCSA, or by a duly authorized representative of such individual. Any individual signing any document pursuant to Section 22a-174-33(b) of the RCSA shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in Section 22a-174-2a(a)(4) of the RCSA:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.”

### **C. SIGNATORY RESPONSIBILITY [RCSA § 22a-174-2a(a)]**

For purposes of signing any Title V-related application, document, report or certification required by section 22a-174-33 of the Regulations of Connecticut State Agencies, any corporation's duly authorized representative may be either a named individual or any individual occupying a named position. Such named individual or individual occupying a named position is a duly authorized representative if such individual is responsible for the overall operation of one or more manufacturing, production or operating facilities subject to section 22a-174-33 of the Regulations of Connecticut State Agencies and either:

## **Section VII: Title V Requirements**

1. The facilities employ more than two-hundred fifty (250) persons or have gross annual sales or expenditures exceeding twenty-five (25) million dollars in second quarter 1980 dollars; or
2. The delegation of authority to the duly authorized representative has been given in writing by an officer of the corporation in accordance with corporate procedures and the following:
  - (i) Such written authorization specifically authorizes a named individual, or a named position, having responsibility for the overall operation of the Title V premises or activity,
  - (ii) Such written authorization is submitted to the commissioner and has been approved by the commissioner in advance of such delegation. Such approval does not constitute approval of corporate procedures, and
  - (iii) If a duly authorized representative is a named individual in an authorization submitted under subclause (ii) of this subparagraph and a different individual is assigned or has assumed the responsibilities of the duly authorized representative, or, if a duly authorized representative is a named position in an authorization submitted under subclause (ii) of this subparagraph and a different named position is assigned or has assumed the duties of the duly authorized representative, a new written authorization shall be submitted to the commissioner prior to or together with the submission of any application, document, report or certification signed by such representative.

### **D. ADDITIONAL INFORMATION [RCSA § 22a-174-33(j)(1)(X)]**

The permittee shall submit additional information in writing, at the Commissioner's request, within thirty (30) days of receipt of notice from the Commissioner or by such other date specified by the Commissioner, whichever is earlier, including information to determine whether cause exists for modifying, revoking, reopening, reissuing, or suspending the permit or to determine compliance with the permit.

In addition, within fifteen days of the date the permittee becomes aware of a change in any information submitted to the Commissioner under this permit or of any change in any information contained in the application, or that any such information was inaccurate or misleading or that any relevant information was omitted, the permittee shall submit the changed, corrected, or omitted information to the Commissioner.

### **E. MONITORING REPORTS [RCSA § 22a-174-33(o)(1)]**

A permittee, required to perform monitoring pursuant this permit, shall submit to the Commissioner, on forms prescribed by the Commissioner, written monitoring reports on January 30 and July 30 of each year or on a more frequent schedule if specified in such permit. Such monitoring reports shall include the date and description of each deviation from a permit requirement including, but not limited to:

1. Each deviation caused by upset or control equipment deficiencies; and
2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this permit, which has occurred since the date of the last monitoring report; and
3. Each deviation caused by a failure of the monitoring system to provide reliable data.

## **Section VII: Title V Requirements**

### **F. PREMISES RECORDS [RCSA § 22a-174-33(o)(2)]**

Unless otherwise required by this permit, the permittee shall make and keep records of all required monitoring data and supporting information for at least five (5) years from the date such data and information were obtained. The permittee shall make such records available for inspection at the site of the subject source, and shall submit such records to the Commissioner upon request. The following information, in addition to required monitoring data, shall be recorded for each permitted source:

1. The type of monitoring or records used to obtain such data, including record keeping;
2. The date, place, and time of sampling or measurement;
3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;
6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;
8. The operating conditions at the subject source at the time of such sampling or measurement; and
9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

### **G. PROGRESS REPORTS [RCSA § 22a-174-33(q)(1)]**

The permittee shall, on January 30 and July 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner a progress report on forms prescribed by the Commissioner, and certified in accordance with Section 22a-174-2a(a)(5) of the RCSA. Such report shall describe the permittee's progress in achieving compliance under the compliance plan schedule contained in this permit. Such progress report shall:

1. Identify those obligations under the compliance plan schedule in the permit which the permittee has met, and the dates on which they were met; and
2. Identify those obligations under the compliance plan schedule in this permit which the permittee has not timely met, explain why they were not timely met, describe all measures taken or to be taken to meet them and identify the date by which the permittee expects to meet them.

Any progress report prepared and submitted pursuant to Section 22a-174-33(q)(1) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

## **Section VII: Title V Requirements**

### **H. COMPLIANCE CERTIFICATIONS [RCSA § 22a-174-33(q)(2)]**

The permittee shall, on January 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner, a written compliance certification certified in accordance with Section 22a-174-2a(a)(5) of the RCSA and which includes the information identified in Title 40 CFR 70.6(c)(5)(iii)(A) to (C), inclusive.

Any compliance certification prepared and submitted pursuant to Section 22a-174-33(q)(2) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

### **I. PERMIT DEVIATION NOTIFICATIONS [RCSA § 22a-174-33(p)]**

Notwithstanding Subsection D of Section VII of this permit, the permittee shall notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

1. For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and
2. For any other regulated air pollutant, no later than ten (10) days after such deviation commenced.

### **J. PERMIT RENEWAL [RCSA § 22a-174-33(j)(1)(B)]**

All of the terms and conditions of this permit shall remain in effect until the renewal permit is issued or denied provided that a timely renewal application is filed in accordance with Sections 22a-174-33(g), -33(h), and -33(i) of the RCSA.

### **K. OPERATE IN COMPLIANCE [RCSA § 22a-174-33(j)(1)(C)]**

The permittee shall operate the source in compliance with the terms of all applicable regulations, the terms of this permit, and any other applicable provisions of law. In addition, any noncompliance constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action, permit termination, revocation and reissuance, or modification, and denial of a permit renewal application.

### **L. COMPLIANCE WITH PERMIT [RCSA § 22a-174-33(j)(1)(G)]**

This permit shall not be deemed to:

1. preclude the creation or use of emission reduction credits or the trading of such credits in accordance with Sections 22a-174-33(j)(1)(I) and 22a-174-33(j)(1)(P) of the RCSA, provided that the Commissioner's prior written approval of the creation, use, or trading is obtained;
2. authorize emissions of an air pollutant so as to exceed levels prohibited under 40 CFR Part 72;
3. authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or
4. impose limits on emissions from items or activities specified in Sections 22a-174-33(g)(3)(A) and (B) of the RCSA unless imposition of such limits is required by an applicable requirement.

## **Section VII: Title V Requirements**

### **M. INSPECTION TO DETERMINE COMPLIANCE [RCSA § 22a-174-33(j)(1)(M)]**

The Commissioner may, for the purpose of determining compliance with the permit and other applicable requirements, enter the premises at reasonable times to inspect any facilities, equipment, practices, or operations regulated or required under the permit; to sample or otherwise monitor substances or parameters; and to review and copy relevant records lawfully required to be maintained at such premises in accordance with this permit. It shall be grounds for permit revocation should entry, inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

### **N. PERMIT AVAILABILITY**

The permittee shall have available at the facility at all times a copy of this Title V Operating Permit.

### **O. SEVERABILITY CLAUSE [RCSA § 22a-174-33(j)(1)(R)]**

The provisions of this permit are severable. If any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the remainder of this permit and the application of such provision to other circumstances shall not be affected.

### **P. NEED TO HALT OR REDUCE ACTIVITY [RCSA § 22a-174-33(j)(1)(T)]**

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

### **Q. PERMIT REQUIREMENTS [RCSA § 22a-174-33(j)(1)(V)]**

The filing of an application or of a notification of planned changes or anticipated noncompliance does not stay the permittee's obligation to comply with this permit.

### **R. PROPERTY RIGHTS [RCSA § 22a-174-33(j)(1)(W)]**

This permit does not convey any property rights or any exclusive privileges. This permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including Section 4-181a(b) of the Connecticut General Statutes and Section 22a-3a-5(b) of the RCSA. This permit shall neither create nor affect any rights of persons who are not parties to this permit.

### **S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA § 22a-174-33(o)(3)]**

The permittee shall, contemporaneously with making a change authorized by this permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

## **Section VII: Title V Requirements**

### **T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA § 22a-174-33(r)(2)]**

The permittee may engage in any action allowed by the Administrator in accordance with 40 CFR 70.4(b)(12)(i) to (iii)(B) inclusive, and 40 CFR 70.4(b)(14)(i) to (iv), inclusive without a Title V non-minor permit modification, minor permit modification or revision and without requesting a Title V non-minor permit modification, minor permit modification or revision provided such action does not:

1. constitute a modification under 40 CFR 60, 61 or 63,
2. exceed emissions allowable under the subject permit,
3. constitute an action which would subject the permittee to any standard or other requirement pursuant to 40 CFR 72 to 78, inclusive, or
4. constitute a non-minor permit modification pursuant to Section 22a-174-2a(d)(4) of the RCSA.

At least seven (7) days before initiating an action specified in Section 22a-174-33(r)(2)(A) of the RCSA, the permittee shall notify the Administrator and the Commissioner in writing of such intended action.

### **U. INFORMATION FOR NOTIFICATION [RCSA § 22a-174-33(r)(2)(A)]**

Written notification required under Section 22a-174-33(r)(2)(A) of the RCSA shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The permittee shall thereafter maintain a copy of such notice with the Title V permit. The Commissioner and the permittee shall each attach a copy of such notice to their copy of the permit.

### **V. TRANSFERS [RCSA § 22a-174-2a(g)]**

No person other than the permittee shall act or refrain from acting under the authority of this permit unless this permit has been transferred to another person in accordance with Section 22a-174-2a(g) of the RCSA.

The proposed transferor and transferee of a permit shall submit to the Commissioner a request for a permit transfer on a form provided by the Commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The Commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS Section 22a-6m.

### **W. REVOCATION [RCSA § 22a-174-2a(h)]**

The Commissioner may revoke this permit on his own initiative or on the request of the permittee or any other person, in accordance with Section 4-182(c) of the Connecticut General Statutes, Section 22a-3a-5(d) of the RCSA, and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The permittee requesting revocation of this permit shall state the requested date of revocation and provide the Commissioner with satisfactory evidence that the emissions authorized by this permit have been permanently eliminated.

## **Section VII: Title V Requirements**

Pursuant to the Clean Air Act, the Administrator has the power to revoke this permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this permit if the Administrator has determined that the Commissioner failed to act in a timely manner on a permit renewal application.

This permit may be modified, revoked, reopened, reissued, or suspended by the Commissioner, or the Administrator in accordance with Section 22a-174-33(r) of the RCSA, Connecticut General Statutes Section 22a-174c, or Section 22a-3a-5(d) of the RCSA.

### **X. REOPENING FOR CAUSE [RCSA § 22a-174-33(s)]**

This permit may be reopened by the Commissioner, or the Administrator in accordance with Section 22a-174-33(s) of the RCSA.

### **Y. CREDIBLE EVIDENCE**

Notwithstanding any other provision of this permit, for the purpose of determining compliance or establishing whether a permittee has violated or is in violation of any permit condition, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information.